

What is claimed is:

1. A display system comprising:
at least one display screen;
printing means for transferring color images on to said at least one display screen;
erasing means for erasing said color images from said at least one display screen; and
drive means connected to said at least one display screen for operatingly moving said at least one display screen.
2. The system according to claim 1 and wherein said drive means moves said at least one display screen from a first printing position to a second viewing position.
3. The system according to claim 1 and further comprising:
an interface control unit coupled to at least said at least one display screen; and
processing means communicating with said interface control unit to control the display of said images.
4. The system according to claim 1 wherein each of said at least one display screen comprises a plurality of display screens, each of which displays a separate color separation of said image.
5. The system according to claim 1 and further comprising a dual purpose screen having a substantially white reflective diffusing portion and a substantially transparent portion.
6. The system according to claim 1 and further comprising a substantially transparent protective screen placed in front of said at least one display screen.
7. The system according to claim 4 wherein each of said plurality of display screens comprises an endless dielectric imaging belt.
8. The system according to claim 4 wherein each of said separate color separation images is a digitized version for one of each of the four color separations of cyan, magenta, yellow and black (C, M, Y and K).

9. The system according to claim 4 wherein said printing means comprises:
a separate toner reservoir for each of said separate color separation images; and
writing means for applying toner from each of said separate toner reservoir onto each of said at least one display screen.
10. The system according to claim 1 wherein said erasing means comprises:
static eliminators for cleaning and erasing the toner from said at least one display screen; and
at least one receptacle for said at least one display screen for receiving and storing the removed toner.
11. The system according to claim 10 wherein said static eliminators comprise one of a group of eliminators including active hot static eliminators; active shockless static eliminators and passive static eliminators.
12. The system according to claim 10 and further comprising pumping means to transfer toner from each of said at least one receptacle to the corresponding toner reservoir:
13. The system according to claim 5 wherein said drive means is connected to said dual purpose screen for operatingly moving said dual purpose screen from a first position wherein said substantially white reflective diffusing portion is placed behind said at least one display screen to a second position wherein said substantially transparent portion is placed behind said at least one display screen.
14. The system according to claim 3 wherein said interface control unit is coupled to said drive means.
15. A method for producing at least one display image onto a screen, said method comprising the steps of:
preparing said at least one display image;
communicating said at least one display image to an interface and control unit;
printing said prepared at least one display image on to at least one display screen; and
moving said at least one display screen into position for viewing.

16. A method according to claim 15 and further comprising the step of erasing said displayed image.

17. A method according to claim 15 and further comprising the steps of:
preparing a replacement display image; and
communicating said replacement display image to said interface and control unit.

18. A method according to claim 17 and further comprising the step of concurrently printing said replacement display image while a previous, displayed image is being erased.

19. A method according to claim 17 and further comprising the step of printing said replacement display image on a separate part of said at least one display screen while said first image is being displayed.

20. A method according to claim 17 and further comprising the step of erasing a first image and concurrently printing a replacement display image on a separate part of said at least one display screen while another image is being displayed.

21. A method according to claim 17 and further comprising the step of replacing said first image with said replacement display image.

22. A method according to claim 15 and further comprising the step of moving a dual purpose screen having a substantially white reflective diffusing portion and a substantially transparent portion behind said at least one display screen.

23. A method according to claim 22 wherein said moving step comprises the step of activating said dual purpose screen to move said substantially transparent portion behind said at least one display screen whenever the amount of light falls below a predetermined level.

24. A method according to claim 15 wherein each of said at least one display screen comprises a plurality of display screens each of which displays a separate color separation of said image.

25. A method according to claim 24 wherein said printing step comprises the steps of:
storing toner for each of said separate color separation images in separate reservoirs; and
applying toner from each of said separate toner reservoirs onto each of said corresponding
plurality of display screens.

26. A method according to claim 25 wherein said step of erasing said displayed image
comprises the steps of:
removing said toner from each of said plurality of display screens; and
storing said removed toner for reuse in said separate toner reservoirs.